General Land Office • Original Field Notes

Book Number

771

W.W. Alt - 4th Guide Meridian through T 21 - 24 N

The images in this file are microfilm images of the notes of W.W. Alt resurveys of portions of the State of Nebraska on file in the Office of the Nebraska State Surveyor located in Lincoln, Nebraska.

The W.W. Alt resurveys began in the mid 1890's and were completed in the early 1900's.

1 Vol

Leather Label pasted on back 3¼" from top

FOURTH and FIFTH GUIDE MERIDIANS RESURVEY 1895 1900.

Pad to 3/8" thick

Received with letter from W. W. Alt U.S. Surveyor, dated Jan'y 18, 1897 — 8057/1897

FIELD NOTES

OF THE RE SURVEY OF

Fourth Guide Meridian W

Through Townships

21, 22, 23 and 24 North of the

Base Line and West

To be printed on cover 1½" from top

RESURVEY OF

FOURTH G.M. Through Tps. 21, 22, 23, 24 and 30 N. — 1895

FIFTH G.M. " " 21, 22, 23 and 24 N. — 1895

Of the 6th Principal Meridian,

State of Nebraska

AS SURVEYED BY

Willard W. Alt, United States Deputy Surveyor,

Under his Contract No. _____, dated December 26, 1894

Survey commenced May 16, 1895

Survey completed May 20, 1895

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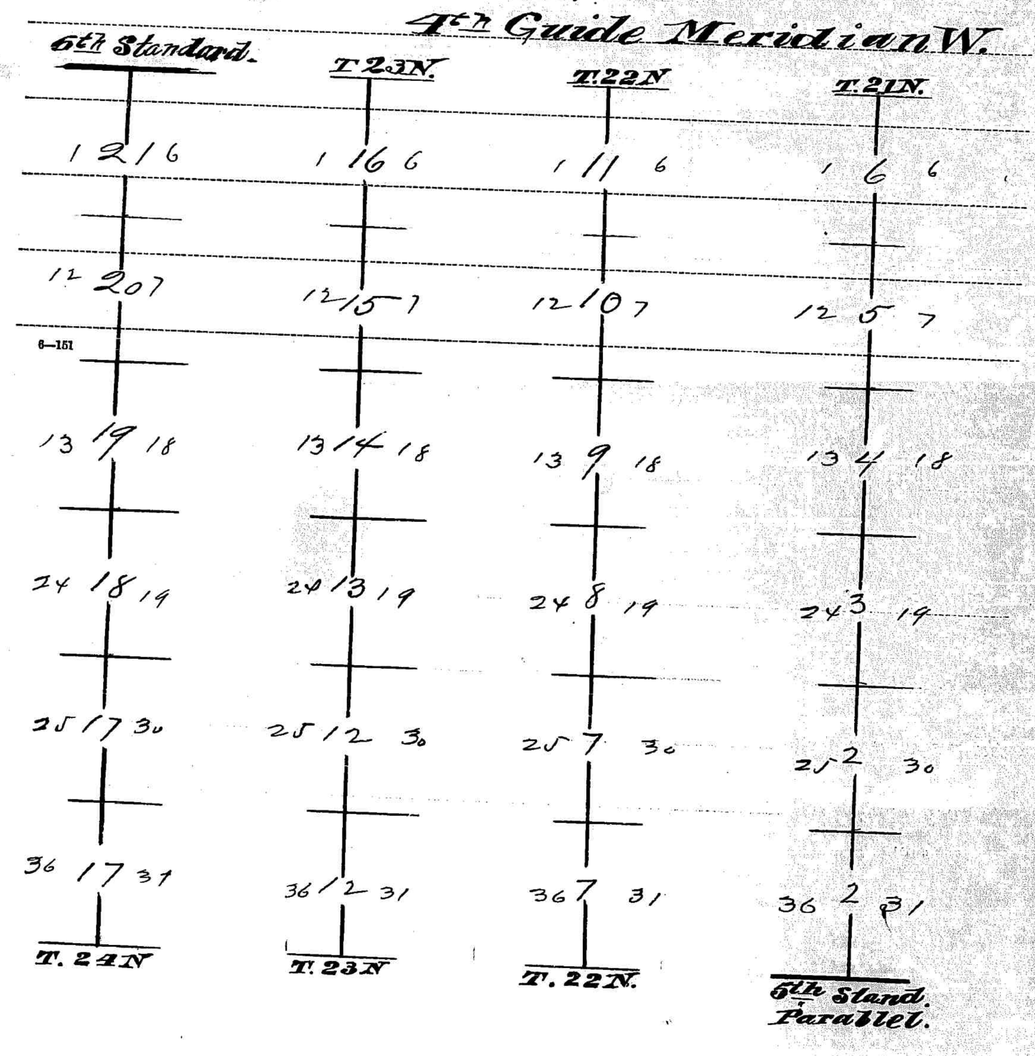
Names and Duties of Assistants.

Clarence P. Haggard, Chainman.
Sidney Blout, Chainman.
James G. Gower, Flagman.
James C. Rosengren, Mounidman
Theodore Neeland, Mounidman

INDEX.

4th Guide Meridian W.

6th Standard.	T. 23N.	T. 22N	T. 21N.
1 2 1 6	1 16 6	1 11 6	1 6 6
12 20 7	12 15 7	12 10 7	12 5 7
13 19 18	13 14 18	13 9 18	13 4 18
24 18 19	24 13 19	24 8 19	24 3 19
25 17 30	25 12 30	25 7 30	25 2 30
36 17 31	36 12 31	36 7 31	36 2 31
T. 24N	T. 23N	T. 22N.	5th Stand. Parallel.



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INDEX DIAGRAM.

Township ....., Range .....

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18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page .....

6—151

Preliminary Oaths of Assistants.

WE, ... and .....
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of
.....

..... *, Chainman.*

..... *, Chainman.*

Subscribed and sworn to before me this .....
day of ....., 189 }

SEAL

.....

.....

WE, ... and .....
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of .....
.....

..... *, Moundman.*

..... *, Moundman.*

Subscribed and sworn to before me this .....
day of ....., 189 }

SEAL

.....

.....

WE, ... and .....
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of
.....

..... *, Axman.*

..... *, Axman.*

Subscribed and sworn to before me this .....
day of ....., 189 }

SEAL

.....

.....

I, ..., do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of .....

..... *, Flagman.*

Subscribed and sworn to before me this .....
day of ....., 189 }

SEAL

.....

.....

6—151

Re-survey of
the
4th Guide Meridian W. through Ts. 21, 22, 23, + 24 N.

1

Chains

The original closing cor. of Ts. 24 N., Rs. 32 + 33 W. is a mound and pits with cedar post marked C. C. 4th Guide T. 24 N. on S.
R 32 W S. 6. on E. and
R 33 W S 1. on W. faces with 6 grooves on E, S, and W. faces
This cor. I rebuild in its original position. Set an Oak Post 3 ft. long 4 ins. sq. with a charred stake 24 ins. in the ground for closing cor. of Ts. 24 N., Rs. 32 and 33 W. marked
C. C. T. 24 N. on S.
R 32 W S 6. on E. and
R 33 W. S 1 on W. faces with 6 grooves on E, S. and W. faces. dig pits 30 x 24 x 12 ins crosswise on each side E, and W. 4 ft. and S. of post 8 ft. dist., and raise a mound of earth 5 ft. base, 2½ ft. high S. of cor.
At this cor. I observe Polaris on the meridian at 9:45' l. M. t. on May 6, or 1¾ minutes after Polaris was in a vertical plane with Delta Cassiopiae
I mark the meridian by driving a tack in an Oak stake firmly driven in the ground 2.51/2 chs. N. of the cor., this being as far as can be seen from the cor.
The magnetic bearing of the true meridian at 8:00 A. M. is N. 17° 45' W, which angle reduced by the tables on page 100 of the manual, gives the mean mag. dec. 17° 40' E.
From the closing cor. I run
South, setting temp. cors. at each 40 chs. and at 24 miles 7.00 chs. intersect the 5th Standard Parallel 9 lks. E. of the Standard cor. of Ts. 21 N, Rs. 32 and 33 W.
The course of the line bet. Standard, and closing cors. is therefore North, and the permanent cors. will be set S. 7.00 chs. and N. by offsets decreasing 3/16 lk. per half mile

Chains

North bet. secs. 31 and 36
Over level land
26.85 Trail; bears E. and W.
40.00 Deposit a charred stake 12 ins. in the ground for 1/4 sec. cor. dig pits 18x18x12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of Earth 3½ ft. base, 1½ ft. high over deposit
In S. pit drive an Oak Stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
1/4 S. on W. face
From this cor. the old 1/4 Sec. cor. which is a mound and pits. bears N. 50°30' E. 48 lks. dist.
I obliterate the old cor.
Thence over level land.
53.00 Begin ascent along S.E. slope over broken ground
68.20 Top of ascent on Range 150 ft. high. bears N.W. & S.E. descent along N.E. slope
80.00 Set an Oak Post 3 ft. long 4 ins. sq. with a charred stake 24 ins. in the ground for cor. of secs. 25, 30, 31 and 36 marked
T. 21 N. S. 30 on N.E.
R. 34 W. S. 31 on S.E.
S. 36 on S.W. and
R. 33 W. S. 25 on N.W. faces, with 1 notch on S. and 5 notches on N. edges, dig pits 18x18x12 ins. in each sec. 5½ ft. dist. and raise a mound of Earth 4 ft. base 2 ft. high N. of cor.
The old cor. which I destroy is a stake, with mound and pits, bearing N. 41° W. 27 lks. dist.
Land, Broken
Soil, Sandy 3rd rate

North bet. secs. 25 and 30
Descend along N.E. slope
10.00 Foot of descent in basin like bottom
25.00 Leave bottom, ascend along S.E. slope
40.00 Deposit a charred stake 12 ins. in the ground for 1/4 sec. cor. dig pits 18x18x12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of Earth 3½

Chains

ft. base 1½ ft. high over deposit
In S. pit drive an Oak Stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
1/4 S. on W. face
No trace of the old 1/4 sec. cor. can be found
47.00 Top of ascent 50 ft. descend over rolling ground
65.00 Enter level land, bearing N.W. and S.E.
70.00 Begin gradual ascent along S.W. slope
76.00 Top of ascent 50 ft. descend gradually along N. slope
80.00 Set an Oak ~~stake~~ post 3 ft. long 4 ins. sq. with a charred stake 24 ins. in the ground for cor. of secs. 19, 24, 25, and 30 marked
T. 21 N. S. 19 on N.E.
R. 34 W. S. 30 on S.E.
S. 25 on S.W. and
R. 33 W. S. 24 on N.W. faces with 2 notches on S. and 4 on N. edges, dig pits 18x18x12 ins. in each sec. 5½ ft. dist. and raise a mound of Earth 4 ft. base, 2 ft. high W. of cor.
The old cor. which is a mound with pits and stake bears N. 16°10' W. 47 lks. dist. I destroy the old cor.
Land, Broken
Soil, Sandy 3rd rate

North bet. secs. 19 and 24
Descend gradually over rolling ground
16.95 Trail, bears N. 80° W., thence over broken ground, along S.E. slope of foot hills
40.00 Deposit a charred stake 12 ins. in the ground for 1/4 sec. cor. dig pits 18x18x12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of Earth 3½ ft. base 1½ ft. high over deposit
In S. pit drive an Oak Stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
1/4 S. on W. face
No old 1/4 cor. found
Thence along N. slope of range over low ridges and ravines

Chains

76.00 Descend along N.W. slope

80.00 Set an Oak Post 3 ft. long 4 ins. sq. with a charred stake 24 ins. in the ground for cor. of secs. 13, 18, 19, and 24 marked
T. 21 N. S. 18 on N.E.
R. 32 W. S. 19 on S.E.
S. 24 on S.W. and
R. 33 W. S. 13 on N.W. faces, with 3 notches on N. and S. edges, dig pits 18x18x12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
The old cor. which I destroy is a stake with mound and pits bearing N. 9° 0' W. 79 lks. dist.

North bet. secs. 13 and 18
Ascend

1.50 Top of ascent 10 ft. on N. edge of depression

13.00 descend over broken ground

10.00 Bottom of descent in ravine E. & W. ascend gradually along S.E. slope

29.00 Top of ascent 50 ft. thence over broken ground

40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor. dig pits 18x18x12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high, over deposit
In S. pit drive an Oak Stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
¼ S. on W. face
No old ¼ cor. can be found
This cor. is on W. face of range

53.00 Begin descent from top of range bearing N.W. and S.E. over broken ground

80.00 Set an Oak Post 3 ft. long 4 ins. sq. with a charred stake 24 ins. in the ground for cor. of secs. 7, 12, 13, and 18, marked
T. 21 N. S. 7 on N.E.
R. 32 W. S. 18 on S.E.
S. 13 on S.W. and
R. 33 W. S. 12 on N.W. faces with 4 notches on

Chains

S. and 2 on N. edges, dig pits 18x18x12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
From this cor. the old cor. which is a mound with pits and cedar stake bears N. 10° 45' W. 1.14 chs. dist. I destroy the old cor.
Land, Broken
Soil, Sandy, 3rd rate

North bet. secs. 7 and 12
Descend over rolling bottom land

12.75 Trail, bears E. and W. ascend along S. slope, over rolling ground

40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor. dig pits 18x18x12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposit
In S. pit drive an Oak Stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
¼ S. on W. face
No old ¼ cor. found

41.00 Top of ascent on range 100 ft. high N.W. & S.E. thence over broken ground along top of range

54.00 Descend along N. slope over very broken ground

70.00 Bottom of descent, E. and W. enter rolling bottom land

72.00 Trail, bears E. and W.

80.00 Set an Oak Post 3 ft. long 4 ins. sq. with a charred stake 24 ins. in the ground for cor. of secs. 1, 6, 7, and 12, marked
T. 21 N. S. 6 on N.E.
R. 32 W. S. 7 on S.E.
S. 12 on S.W. and
R. 33 W. S. 1 on N.W. faces with 5 notches on S and 1 notch on N. edge, dig pits 18x18x12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
I destroy the old cor. which is a mound with

Chains

pits and cedar stake bearing N. 17° 05' W.
1.36 chs. dist.
Land, Rolling
Soil, Sandy, 3rd rate May 18, 1895

North bet. secs. 1 and 6
Ascend gradually along S.W. slope over rolling ground
40.00 Deposit a charred stake 12 ins. in the ground for 1/4 sec. cor. dig pits 18x18x12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposit
In S. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
1/4 S. on W. face
No old 1/4 sec. cor. found
Ascend along S.W. slope
59.00 Top of ascent on ridge E. and W. thence over broken ground
73.00 Begin abrupt descent along N. slope
79.00 Bottom of descent in depression
80.00 Set an Oak Stake, 3 ft. long 4 ins. sq. with a charred stake 24 ins. in the ground for cor. of Tps. 21 and 22 N., Rs. 32 and 33 W. marked
T. 22 N. S. 31 on N.E.
R. 32 W. S. 6 on S.E.
T. 21 N. S. 1 on S.W. and
R. 33 W. S. 36 on N.W. faces, with 6 notches on each edge, dig pits 24x24x12 ins on each line E. and W. and N. 4 ft. and S. of post 8 ft. dist. and raise a mound of earth 5 ft. base, 2½ ft. high S. of cor.
I destroy the old Tp. cor. which is a mound and pits, bearing N. 4° 45' W. 16.2 lks dist.
Land, Broken
Soil, Sandy 3rd rate

Chains

North bet. secs. 31 and 36
Descend gradually along N. slope over rolling ground
40.00 Deposit a charred stake 12 ins. in the ground for 1/4 sec. cor. dig pits 18x18x12 ins. N. and S. of cor. 4 ft. dist. and raised a mound of earth 3½ ft. base 1½ ft. high over deposit
In S. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
1/4 S. on W. face
Cor. is on W. face of low ridge bearing N. 20° W.
No old 1/4 cor. found
Descend over rolling ground along N.W. slope
80.00 Set an Oak Post 3 ft. long 4 ins. sq. with a charred stake 24 ins. in the ground for cor. of secs. 25, 30, 31, and 36 marked
T. 22 N. S. 30 on N.E.
R. 32 W. S. 31 on S.E.
S. 36 on S.W. and
R. 33 W. S. 25 on N.W. faces with 1 notch on S. and 5 notches on N. edges, dig pits 18x18x12 ins. in each sec. 3½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
cor. is on N.E. face of ravine
The original cor. which is a mound and pits with cedar stake, bears N. 4° W. 2.15 chs. dist.
I destroy the old cor.
Land, Rolling
Soil, Sandy 3rd rate

North bet. secs. 25 and 30
Descend along N.W. face of bluff
4.50 Begin descent to river
9.20 Right bank S. fork of Dismal River 20 lks. wide course N. 80° E.
10.00 Ascend abruptly
12.00 Top of abrupt ascent 40 ft. thence ascend over rolling ground

Chains

22.00 Top of ascent, thence over rolling ground through ravine or pass E. and W.

40.00 Deposit a charred stake 12 ins. in the ground for 1/4 sec. cor. dig pits 18x18x12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of Earth 3½ ft. base, 1½ ft. high over deposit
In S. pit drive an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
1/4 S. on W. face

Thence over rolling ground

70.10 Trail bears S. 70° E.

76.50 Begin abrupt descent along river bluff

79.00 Bottom of descent 75 ft. thence through dense growth of underbrush

80.00 Set an Oak post 3 ft. long 4 ins. sq. with a charred stake 24 ins. in the ground for cor. of secs. 19, 24, 25, and 30 marked
T. 22 N. S. 19 on N.E.
R. 32 W. S. 30 on S.E.
S. 25 on S.W. and
R. 33 W. S. 24 on N.W. faces with 2 notches on S. and 4 on N. edges, dig pits 18x18x12 ins. in Each sec. 5½ ft. dist. and raise a mound of Earth 4 ft. base 2 ft. high W. of cor.
No old cor. can be found
Sand, Broken
Soil, Sandy 2nd and 3rd rate

North bet. secs. 19 and 24
Through underbrush

1.20 Right bank, N. fork Dismal river 50 lks. wide course E.

3.10 Begin abrupt ascent

5.40 Top of ascent 100 ft. high, ascend over broken sand bluffs and ridges

35.00 Top of ascent on sand peak 200 ft. above river descend over rolling ground

40.00 Deposit a charred stake 12 ins. in the ground for 1/4 sec. cor. dig pits 18x18x12 ins. N. and S.

Chains

of cor. 4 ft. dist. and raise a mound of Earth 3½ ft. base 1½ ft. high over deposit
In S. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
1/4 S. on W. face

Descend

50.00 Bottom of descent in depression thence over rolling ground through pass E. and W.

80.00 Set an Oak Post 3 ft. long 4 ins. sq. with a charred stake 24 ins. in the ground for cor. of secs. 13, 18, 19, and 24 marked
T. 22 N. S. 18 on N.E.
R. 32 W. S. 19 on S.E.
S. 24 on S.W. and
R. 33 W. S. 13 on N.W. faces with 3 notches on S. and N. edges, dig pits 18x18x12 ins. in Each sec. 5½ ft. dist. and raise a mound of Earth 4 ft. base 2 ft. high W. of cor.
Obliterate the old cor. which is a mound with pits and stake bearing N. 1° 30' W. 1.62 chs.
Sand, Broken
Soil, Sandy 3rd rate

North bet. secs. 13 and 18
Over rolling ground through a depression

40.00 Deposit a charred stake 12 ins. in the ground for 1/4 sec. cor. dig pits 18x18x12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of Earth 3½ ft. base 1½ ft. high over deposit
In S. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
1/4 S. on W. face

Descend along N. slope of low hills

54.00 Bottom of descent in pass, N.E. and S.W. ascend along S.E. slope of range

76.00 Top of ascent 75 ft., descend along N.E. slope of range

80.00 Set an Oak post 3 ft. long 4 ins. sq. with a

The 4th Guide Meridian N. through T. 22 N.

Chains

[illegible] charred stake 24 ins. in the ground for cor.
of secs. 7, 12, 13, and 18 marked
T. 22 N. S. 7 on N.E.
R. 32 W. S. 18 on S.E.
S. 13 on S.W. and
R. 33 W. S. 12 on N.W. faces with 4 notches
on S. and 2 on N. edges, dig pits 18x18x12 ins.
in each sec. 5½ ft. dist. and raise a mound
of earth 4 ft. base 2 ft. high N. of cor.
No old cor. was found
~~Sandy, Broken~~
Soil, Sandy 3rd rate

~~North bet. secs. 7 and 12~~

North bet. secs. 7 and 12
Descend along N.E. slope
12.00 Bottom of descent in N. edge of basin like valley
24.00 Ascend gradually, over rolling chop hills along
S.E. slope
40.00 Deposit a charred stake 12 ins. in the ground
for ¼ sec. cor. dig pits 18x18x12 ins. N and S.
of cor. 4 ft. dist. and raise a mound of earth 3½
ft. base 1½ ft. high over deposit
In S. pit drive an Oak stake 2 ft. long 2 ins.
sq. 12 ins. in the ground marked
¼ S. on W. face
Ascend
52.00 Top of ascent on ranger E. and W. descend along
N. slope over rolling ground
80.00 Set an Oak post 3 ft. long 4 ins. sq. with a
charred stake 24 ins. in the ground for cor.
of secs. 1, 6, 7, and 12 marked
T. 22 N. S. 6 on N.E.
R. 32 W. S. 7 on S.E.
S. 12 on S.W. and
R. 33 W. S. 1 on N.W. faces with 5 notches on
S. and 1 notch on N. edge, dig pits 18x18x12 ins.
in each sec. 5½ ft. dist. and raise a mound
of earth 4 ft. base 2 ft. high W. of cor.
The original cor. which I destroy bears N. 0° 20' W.

Chains

2.39 chs. dist. – mound pits and stake
Sand, Broken
Soil, sandy 3rd rate

North bet. secs. 1 and 6
Descend gradually
12.00 Bottom of descent, thence over rolling ground
13.20 Trail to Mullen, bears N. 60° W.
40.00 Deposit a charred stake 12 ins. in the ground
for ¼ sec. cor. dig pits 18x18x12 ins. N. and S.
of cor. 4 ft. dist. and raise a mound of earth 3½
ft. base 1½ ft. high over deposit
In S. pit drive an Oak stake 2 ft. long 2 ins.
sq. 12 ins. in the ground marked
¼ S. on W. face
Thence over low broken hills
66.00 Begin descent from low ridge
80.00 Set an Oak post 3 ft. long 4 ins. sq. with a
charred stake 24 ins. in the ground for cor.
of Tps. 22 and 23 N., Rs. 32 and 33 W. marked
T. 23 N. S. 31 on N.E.
R. 32 W. S. 6 on S.E.
T. 22 N. S. 1 on S.W. and
R. 33 W. S. 36 on N.W. faces with 6 notches
on each edge, dig pits 24x24x12 ins. on
each line E, W, and N. 4 ft. and S. of post
8 ft. dist. and raise a mound of earth 5 ft.
base 2½ ft. high S. of cor.
From this cor. the old cor. of Tps. which is a
mound with pits and stake, bears N. 1° 40' E.
2.80 chs. dist. I destroy the old cor.
Sand, broken
Soil, Sandy 3rd rate

Chains

North bet. secs. 31 and 36
Over low rolling foot hills
18.70 Trail to Mullen in ravine bears S. 40° W.
thence over low ridges and ravines
40.00 Deposit a charred stake 12 ins. in the ground
for 1/4 sec. cor. dig pits 18x18x12 ins. N. and S.
of cor. 4 ft. dist. and raise a mound of earth
3½ ft. base 1½ ft. high, over deposit
In S. pit drive an Oak stake 2 ft. long 2 ins.
sq. 12 ins. in the ground marked
1/4 S. on W. faces
67.00 Foot of range E. and W. ascend gradually
80.00 Set an Oak post 3 ft. long 4 ins. sq. with a
charred stake 24 ins. in the ground for cor.
of secs. 25, 30, 31 and 36 marked
T. 23 N. S. 30 on N.E.
R. 37 W. S. 31 on S.E.
S. 36 on S.W. and
R. 33 W. S. 25 on N.W. faces with 1 notch on
S. and 5 notches on N. edges dig pits 18x18x12
ins. in each sec. 5½ ft. dist. and raise a
mound of earth 4 ft. base 2 ft. high W.
of cor.
From this cor. the original cor. which is a mound
of earth with pits and stake bears, N. 2° 24' E.
3.22 chs. dist. I destroy the old cor.
Land Broken
Soil, Sandy 3rd rate

North bet. secs. 25 and 30
Ascend gradually
9.00 Top of ascent on range E. and W. thence over
rolling ground
30.00 Begin gradual descent along N. slope
40.00 Deposit a charred stake 12 ins. in the ground
for 1/4 sec. cor. dig pits 18x18x12 ins. N. and S.
of cor. 4 ft. dist. and raise a mound of earth
3½ ft. base 1½ ft. high over deposit
In S. pit drive an Oak stake 2 ft. long 2 ins.

Chains

sq. 12 ins. in the ground marked
1/4 S. on W. face
Descend
43.00 Foot of range, bears S. 70° W. and N. 70° E., ascend
gradually along S.E. slope
69.00 Top of ascent 75 ft. thence over rolling ground
74.00 Begin gradual descent along N. slope
80.00 Set an Oak post 3 ft. long 4 ins. sq. with a
charred stake 24 ins. in the ground for
cor. of secs. 19, 24, 25, and 30 marked
T. 23 N. S. 19 on N.E.
R. 37 W. S 30 on S.E.
S. 25 on S.W. and
R. 33 W. S. 24 on N.W. faces with 2 notches
on S. and 4 on N. edges. dig pits 18x18x12 ins.
in each sec. 5½ ft. dist and raise
a mound of earth 4 ft. base 2 ft. high W.
of cor.
From this cor., the original cor., a mound with
pits and stake, which I destroy bears N. 3° 15' E.
3.06 chs. dist.
Land, rolling
Soil, sandy 3rd rate

North bet. secs. 19 and 24
Descend gradually along N. slope
21.00 Bottom of descent, N.W. and S.E. thence over low
rolling foot hills
40.00 Deposit a charred stake 12 ins. in the ground
for 1/4 sec. cor. dig pits 18x18x12 ins. N. and S.
of cor. 4 ft. dist. and raise a mound of earth
3½ ft. base 1½ ft. high over deposit
In S. pit drive an Oak stake 2 ft. long 2 ins.
sq. 12 ins. in the ground marked
1/4 S. on W. face
Ascend slightly
78.00 Top of ascent, thence along N. edge of
ravine or pass, descending gently
80.00 Set an Oak post 3 ft. long 4 ins. sq. with

Chains

a charred stake 24 ins. in the ground for cor. of secs. 13, 18, 19, and 24 marked
T. 23 N. S. 18 on N. E.
R. 32 W. S. 19 on S. E.
S. 24 on S. W. and
R. 33 W. S. 13 on N. W. faces with 3 notches on N. and S. edges, dig pits 18x18x12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
The old cor. mound and pits which I destroy bears N. 2° 35' E. 3.54 chs. dist.
Land, broken
Soil, sandy 3rd rate

May 19, 1895

North bet. secs. 13 and 18
Descend over rolling ground along N. W. faces of low hills
3.40 Trail to Mullen, bears S. 10° E. and reverse descend slightly
40.00 Deposit a charred stake 12 ins in the ground for ¼ sec. cor. dig pits 18x18x12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposit
In S. pit drive an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
¼ S. on W. face
44.50 Trail, bears S. 70° W. ascend along S. E. slope.
54.00 Top of ascent on ridge 75 ft. bears E. and N. thence along top of range.
74.00 N. edge of range, N. W. and S. E. descend gradually along N. E. slope
80.00 Set an Oak post 3 ft. long 4 ins. sq. with a charred stake 24 ins. in the ground for cor. of secs. 7, 12, 13, and 18 marked
T. 23 N. S. 7 on N. E.
R. 32 W. S. 18 on S. E.

Chains

S. 13 on S. W. and
R. 33 W. S. 12 on N. W. faces with 4 notches on S. and 2 on N. edges dig pits 18x18x12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
I destroy the original cor. which is a mound with pits and stake, bearing N. 3° 20' E. 3.63 chs. dist.
Land, rolling
Soil, sandy 3rd rate

North bet. secs. 7 and 12
Descend gently
4.00 Enter level ground
40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor. dig pits 18x18x12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposit.
In S. pit drive an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
¼ S. on W. face
45.00 Foot of low range E. and W. ascend gradually over rolling ground
55.70 Top of ascent 40 ft. thence over rolling ground, along E. slope of bluff
74.60 Begin descent along N. E. slope
80.00 Set an Oak post 3 ft. long 4 ins. sq. with 4 half bricks 24 ins. in the ground for cor. of secs. 1, 6, 7, and 12 marked
T. 23 N. S. 6 on N. E.
R. 33 W. S. 7 on S. E.
S. 12 on S. W. and
R. 33 W. S. 1 on N. W. faces with 5 notches on S. and 1 notch on N. edges dig pits 18x18x12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
The mound and pits with stake of the old

cor. which I destroy bears N. 1°26' E. 4.12 chs. dist.
Land, broken
Soil, sandy 3rd rate

North bet. secs. 1 and 6
Descend gradually along N.E. slope
6.00 Bottom of descent 40 ft. thence over rolling foot hills
40.00 Deposit 2 bricks 12 ins. in the ground for 1/4 sec. cor. dig pits 18x18x12 ins N. and S. of cor. 4 ft. dist. and raised a mound of earth 3½ ft. base 1½ ft. high over deposit
In S. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
1/4 S. on W. face
45.00 S.E. cor. plowed field extending W.
64.00 N.E. " " " " "
65.00 Trail ~~bears~~ N.W. and S.E.
68.00 Foot of low range, E. and W. ascend gradually
80.00 Set an Oak post 3 ft. long 4 ins. sq. with 4 brick bats 24 ins. in the ground for cor. of Tps. 23 and 24 N. Ranges 32 and 33 W. marked
T. 24 N. S. 31 on N.E.
R. 32 W. S. 6 on S.E.
T. 23 N. S. 1 on S.W. and
R. 33 W. S. 36 on N.W. faces, with 6 notches on each edge, dig pits 24x24x12 ins on each line E, N, and W. 4 ft. and S. of post 8 ft. dist. and raised a mound of earth 5 ft. base 2½ ft. high S. of cor.
The original cor. which I destroy bears N 1°15' E. 4.92 chs. dist.
Land, Broken
Soil, sandy 2nd and 3rd rate

Chains

North bet. secs. 31 and 36
Over rolling ground
2.60 Trail bears N. 5° E. and S. 5° W.
4.00 Begin descent along N.W. slope of low range
33.15 Trail bears S. 10° W.
36.00 Enter level valley
40.00 Deposit 2 brick bats 12 ins. in the ground for 1/4 sec. cor. dig pits 18x18x12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposit.
In S. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
1/4 S. on W. face
The old 1/4 sec. cor. mound and pits which I destroy bears N. 1°30' E. 4.98 chs. dist.
40.30 Trail, bears N.W. and S.E. ascend slightly over rolling ground
50.00 Foot of low range E. and W. ascend
66.00 Top of ascent on sand ridge, on E. face of bluff thence over broken ground along top of low range
80.00 Set an Oak post 3 ft. long 4 ins. sq. with 4 brick bats 24 ins. in the ground for cor. of secs. 25, 30, 31 and 36 marked
T. 24 N. S. 30 on N.E.
R. 32 W. S. 31 on S.E.
S. 36 on S.W. and
R. 33 W. S. 25 on N.W. faces, with 1 notch on S. and 5 notches on N. edges, dig pits 18x18x12 ins. in each ~~sec.~~ 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high N. of cor.
I destroy the old cor. which is a mound with stake and pits, bearing N 1°10' E. 5.15 chs. dist.
Land, rolling
Soil, sandy 2nd and 3rd rate

North bet. secs. 25 and 30
ascend slightly, over rolling ground
7.20 Wire fence, bears E. and W.

Chains

35.00 Top of low knob or peak, descend

40.00 Deposit 3 brick bats, 12 ins. in the ground for 1/4 sec. cor. dig pits 18x18x12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high over deposit
In S. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
1/4 S. on N. face

ascend gently

51.00 Top of ascent 20 ft. on low ridge, descend over rolling ground

80.00 Set an Oak post 3 ft. long 4 ins. sq. with a charred stake 24 ins. in the ground for cor. of secs. 19, 24, 25 and 30 marked
T. 24 N. S. 19 on N.E.
R. 32 W. S. 30 on S.E.
S. 25 on S.W. and
R. 33 W. S. 24 on N.W. faces with 2 notches on S. and 4 on N. edges, dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high N. of cor.
The mound, pits and stake of original cor. which I destroy, bears N. 1° 08' E. 4.38 chs. dist.
Land, rolling
Soil, sandy 3rd rate

North bet. secs. 19 and 24
Descend over rolling ground along N. slope of low range

1.15 Wire fence , bears E. and W.

13.85 Trail to Mullen, bears N. 30° E.

40.00 Deposit a charred stake 12 ins in the ground for 1/4 sec. cor. dig pits 18x18x12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high over deposit
In S. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
1/4 S. on W. face
The old 1/4 cor. mound, pits and stake I destroy bears

Chains

N. 0° 55' E. 5.84 chs. dist.

47.00 Foot of low ridge, N.E. and S.W. ascend

48.00 Top of ridge N.E. and S.W. 50 ft. high

47.00 Descend along N. slope over broken ground

64.20 Trail to Mullen, E. and W.

68.58 Center of track Burlington and Missouri River Railroad, bears S. 85° 27' W and reverse

69.22 Telegraph line " " ascend along S.E. slope over broken ground

80.00 Set an Oak post 3 ft. long 4 ins. sq. with a charred stake 24 ins. in the ground for cor. of secs. 13, 18, 19 and 24 marked
T. 24 N. S. 18 on N.E.
R. 32 W. S. 19 on S.E.
S. 24 on S.W. and
R. 33 W. S. 13 on N.W. faces with 3 notches on S. and N. edges, dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high N. of cor.
This cor. is on S.E. face of bluff 100 ft. above railroad
The original cor. which I destroy - mound, pits and stake, bears N. 0° 55' E. 5.84 chs. dist.
Land, broken
Soil, sandy 3rd rate

North bet. secs. 13 and 18
ascend along S.E. face

4.00 Top of ascent 125 ft. on sand bluff, thence over broken sand bluffs and ridges

14.50 Begin descent along N.W. slope

40.00 Deposit a charred stake 12 ins. in the ground for 1/4 sec. cor. dig pits 18x18x12 ins N. and S. of cor. 4 ft. dist and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high over deposit
In S. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
1/4 S. on W. face

Chains

The original 1/4 cor. which I destroy bears N. 0° 28 E. 6.16 chs.
Thence over rolling ground descending gully
60.00 Bottom of descent in ravine, N. 20° E. ascend along S. W. slope of low range
80.00 Set an Oak post 3 ft. long 4 ins. sq. with a charred stake 24 ins. in the ground for cor of secs. 7, 12, 13, and 18 marked
T. 24 N. S. 7 on N. E.
R. 32 W. S. 18 on S. E.
S. 13 on S. W. and
R 33 W. S. 12 on N. W. faces with 4 notches on S. and 2 on W. edges dig pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
The original cor. which I destroy bears N. 0° 12' W. 6.56 chs. dist.
Land, broken
Soil, sandy 3rd rate

North bet. secs. 7 and 12
Ascend along S. W. slope
17.70 Top of ascent 50 ft. descend over rolling ground
37.20 Trail, bears S. 70° W. - to Mullen
40.00 Bottom of descent in ravine N. E. and S. W.
40.00 Deposit a charred stake 12 ins. in the ground for 1/4 sec. cor. dig pits 18 x 18 x 12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposit
In S. pit drive an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
1/4 S. on W. face
Ascend over rolling ground
57.10 Enter plowed field E. and W.
54.40 Leave " " " " ascend
66.80 Top of ascent on ridge E. and W. 150 ft. above ravine. descend along N. slope
80.00 Set an Oak post 3 ft. long 4 ins. sq. with a charred stake 24 ins. in the ground for cor.

Chains

of secs. 1, 6, 7, and 12 marked
T. 24 N. S. 6 on N. E.
R. 32 W. S. 7 on S. E.
S. 12 on S. W. and
R. 33 W. S. 1 on N. W. faces with 5 notches on S. and 1 notch on N. edges dig pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high N. of cor.
The original cor. which I destroy bears N 0° 12' W. 6.83 chs. dist.
Land broken
Soil, sandy 3rd rate

North bet. secs. 1 and 6
Descend along N. slope
5.00 Bottom of descent in pot hole thence over broken ground, gully sloping to N.
20.40 Trail, bears E. and W.
40.00 Deposit a charred stake 12 ins. in the ground for 1/4 sec. cor. dig pits 18 x 18 x 12 ins. N. and S. of cor. 4 ft. dist. and raised a mound of earth 3½ ft. base 1½ ft. high over deposit
In S. pit drive an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
1/4 S. on W. face
The original cor. which I destroy bears N. 0° 25' W. 6.96 chs. dist.
47.80 Begin descent along river bluff over ridges
66.80 Enter river bottom E. and W.
70.50 Right bank of Loup river 1 ch. wide course N. 70° E. thence over river bottom
81.00 Foot of bluff, ascend abruptly
87.00 Original closing cor. Ts. 24 N., Rs. 32 and 33 W.
Land, broken
Soil, sandy 2nd and 3rd rate

May 20, 1895

The 4th Guide Meridian W. Concluded

General Description

The line runs over a series of sand ridges or ranges varying in height from 50 to 150 ft.
In Tp. 23 and S part of T. 24 the land is rolling hills
The valleys are narrow and broken
The line crosses the N. and S. forks of the Dismal River in T. 22 N. which river has a rapid current and about 2 ft deep reached by a very steep descent
The Soup River in T. 24 N. is of a similar nature
No timber of any description on the line except along the river bluffs where plum and other underbrush, and scattering cedars grow
The vegetation is a sand grass and buffalo grass

Willard W. Alt
U.S. Surveyor

May 20, 1895

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Final Oaths of Deputy Surveyor and his Assistants.

LIST OF NAMES.

A list of the names of the individuals employed by Willard W. Alt, United States ~~Deputy~~ Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the 5th Guide Meridian West through Townships No. 21, 22, 23 and 24 N. and the 4th Guide Meridian West through Townships No. 21, 22, 23 and 24 N. of the Base line and West of the 6th Principal Meridian in State of Nebraska, showing the respective capacities in which they acted:

Clarence P. Hoggard, Chainman.
Sidney Blunt, Chainman.
James G. Gurney, ~~Moundman.~~ Flagman
James C. Rosengren, Moundman.
Theodore Neland, ~~Axman.~~
, Axman.
, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Willard W. Alt, United States ~~Deputy~~ Surveyor, in surveying all those parts or portions of the Fifth Guide Meridian West, through Townships No. 21, 22, 23 and 24 North, between Ranges 40 and 41 West, and the Fourth Guide Meridian West through Townships No. 21, 22, 23 and 24 North, between Ranges 32 and 33 W. of the ~~and~~ 6th Principal meridian, State of Nebraska, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the ~~United States Surveyor General for~~ Commr of the General Land Office

Clarence P. Hoggard, Chainman.
Sidney Blunt, Chainman.
James G. Gurney, Moundman.
James C. Rosengren, Moundman.
Theodore Neland, Axman.
, Axman.
, Flagman.

Subscribed and sworn ~~to before me~~ this 11th day of December, 1895

SEAL

E E Lowe
County Clerk
for Grant Co. Neb.

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Alt

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Final Oath of United States Deputy Surveyor.

I, Willard W Alt, United States ~~Deputy~~ Surveyor, do solemnly swear that, in pursuance of a contract received from Commissioner General, ~~United States Surveyor General for~~ Land Office, bearing date of the 8th day of March, 1895, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the ~~United States Surveyor General for~~ Commissioner of General Land Office, the ~~Manual of~~ Surveying Manual ~~Instructions~~, and the laws of the United States, surveyed all those parts or portions of 4th Guide Meridian West, and the 5th Guide Meridian W through Townships 21, 22, 23 and 24 North, of the Base line and West of the

~~of the~~ ~~base~~ and 6th Principal meridian, in the State of Nebraska, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the ~~Manual of~~ Surveying Manual ~~Instructions~~, ~~and~~ printed instructions, the special written instructions of the ~~United States Surveyor General for~~ Commissioner of General Land Office and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Willard W. Alt
United States ~~Deputy~~ Surveyor.

Subscribed ~~by said~~ and sworn to before me this 18th day of January, 1897

SEAL

P. J. Casey
Clerk of District Court

APPROVAL.

Office of the ~~United States Surveyor General~~ Commissioner of the General Land Office,
Washington, D.C. April, 1897.

The foregoing field notes of the resurvey of The 4th Guide Meridian West, and the 5th Guide Meridian West; through Townships 21, 22, 23 and 24 North of the Base line and West of the 6th Principal Meridian, State of Nebraska.

executed by Willard W. Alt. U.S. Surveyor
under his contract No. ....., dated December 26, 1894, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the resurveys they describe, are hereby approved.

Binger Hermann
~~United States Surveyor General,~~
Commissioner and ex officio Surveyor General for Nebraska

I certify that the foregoing transcript of the field notes of the above-described surveys ~~in~~ of the 4th Guide Meridian West, has been correctly copied from the original notes on file in this office.

Binger Hermann
~~United States Surveyor General.~~
Commissioner and ex officio Surveyor General for Nebraska.

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General Land Office • Original Field Notes

Book Number

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W.W. Alt - 4th Guide Meridian through T 21 - 24 N

The images in this file are microfilm images of the notes of W.W. Alt resurveys of portions of the State of Nebraska on file in the Office of the Nebraska State Surveyor located in Lincoln, Nebraska.

The W.W. Alt resurveys began in the mid 1890's and were completed in the early 1900's.